

Applicant: FRISCH, Mordechai et al.
Serial No.: To be assigned
Filed: Herewith
Page 3

Amendments to the Claims:

CLAIMS

1. (Original) An in-vivo sensing device comprising:
a first part having a first specific gravity; and
a second part having a second specific gravity, wherein the first part and the second part are detachable.
2. (Original) The in-vivo sensing device according to claim 1 wherein the first specific gravity is greater than the second specific gravity.
3. (Original) The in-vivo sensing device according to claim 1 wherein the second specific gravity is less than the specific gravity of a bodily fluid within a body lumen.
4. (Original) The in-vivo sensing device according to claim 1 comprising an imager and an illumination source.
5. (Cancelled)
6. (Original) The in-vivo sensing device according to claim 1 comprising a filament to temporarily attach the first part to the second part.
7. (Cancelled)
8. (Cancelled)
9. (Original) The in-vivo sensing device according to claim 1 comprising a magnet, to temporarily attach the first part and the second part by an electromagnetic force.
10. (Cancelled)
11. (Cancelled)

Applicant: FRISCH, Mordechai et al.
Serial No.: To be assigned
Filed: Herewith
Page 4

12. (Cancelled)

13. (Original) The in-vivo device according to claim 1 wherein the first part is configured to detach in-vivo.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) The method according to claim [[16]] 38 wherein the device is weighted such that it favors a certain orientation.

18. (Currently Amended) The method according to claim [[15]] 38, wherein comprising attaching the floatable first part is attached to the non-floatable second part by an electromagnetic force.

19. (Original) The method according to claim 18 comprising changing the direction of the electromagnetic force.

20. (Cancelled)

21. (Currently Amended) The method according to claim [[15]] 38 comprising activating a component in the non-floatable second part.

22. (Currently Amended) The method according to claim [[15]] 38 wherein the component is comprises an imager.

23. (Cancelled)

24. (Cancelled)

25. (Currently Amended) The method according to claim [[24]] 38 wherein the floatable first part and the non-floatable second part are attached with a filament.

Applicant: FRISCH, Mordechai et al.
Serial No.: To be assigned
Filed: Herewith
Page 5

26. (Cancelled)
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Currently Amended) The method according to claim [[24]] 38 wherein the detaching is initiated by a signal external to the in-vivo sensing device.
31. (Currently Amended) A system for in-vivo sensing comprising:
an in-vivo sensing device comprising:
 - a first part having a first specific gravity;
 - a second part having a second specific gravity, wherein the first specific gravity is different from the second specific gravity and the first part and the second part are temporarily attached in-vivo attached by a releasable fastener; and
 - an external receiver to receive wireless signals from the in-vivo device.
32. (Original) The system according to claim 31 comprising an in-vivo imager.
33. (Cancelled)
34. (Original) The system according to claim 31 comprising an external transmitter for transmitting signals to the in-vivo device.
35. (Cancelled)
36. (Cancelled)
37. (Original) The system according to claim 31 comprising a display to display sensed data from the in-vivo sensing device.

Applicant: FRISCH, Mordechai et al.
Serial No.: To be assigned
Filed: Herewith
Page 6

38. (New) A method for in-vivo sensing comprising:

detaching a first part of an in-vivo device located in an in-vivo body lumen
from a second part of the in-vivo device, wherein the first part is floatable in the
gastrointestinal tract and the second part is not floatable in the gastrointestinal tract; and
activating a component in the first part.

39. (New) The method of claim 38 comprising:

sensing a parameter; and
detaching the first part from the second part in response to sensing the
parameter.